**Homework 56H** Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Evaluate Trig Functions of Any Angle** Period:\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Failure to show all work and write in complete sentences will result in LaSalle!**

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| 1) Evaluate, if possible, the secant function and cotangent function of the 4 quadrantal angles:  a.    b.  c.  d. | 2) Name the quadrant in which angle  lies.  a.  and  b.  and  c.  and  d.  and |
| 3) Find the reference angle , for each of the following angles:  a.  b.  c. | 4) Use reference angles to find the exact value of the following trig functions:  a.  b.  c. |
| 5) Explain why  is undefined. | |
| 6) What is a reference angle? How can reference angles be used to evaluate trig functions? Give an example with your description.  ***Pic:***  ***Explanation:*** | |

Determine whether each statement makes sense or does not make sense, and explain your reasoning.

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| 7) This angle  is in a quadrant for which  and | 8) I am given that , so I can conclude that y = 3 and x = 5. |